

A METHOD AND SYSTEM FOR INTEGRATING NON-COMPLIANT PROVIDERS OF  
DYNAMIC SERVICES INTO A RESOURCE MANAGEMENT INFRASTRUCTURE

**Abstract**

5      A method and a corresponding system for use in a resource management infrastructure conforming to the WMI architecture are proposed. The WMI architecture includes a framework, known as CIM Object Manager (or CIMOM), which exploits WMI providers of dynamic services for the managed objects; in the WMI architecture, the CIM providers must be implemented as Common 10     Object Model (COM) objects and must comply with a specific WMI provider interface (named "IWbemServices").

15     The invention discloses a method for integrating non-compliant providers, for example written in the Java language, into the WMI infrastructure. For this purpose, a bridge provider is associated with each managed object that is supported by the Java providers. The bridge provider identifies the Java provider that must be invoked to fulfill a particular request (based on a specific CIM qualifier); the parameters of the request are converted into Java types, and a corresponding method 20     is called on an intermediate Java object. The intermediate Java object then routes the request to the appropriate Java provider.